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CURRENT SERIAL RECORDS

# WATER SUPPLY OUTLOOK and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS for NEVADA

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,  
and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES  
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report.

AS OF  
MAY 1, 1963

# UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

## To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 4170, Portland 8, Oregon.

## PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

## PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RIGHTS BR., DEPT. OF LANDS, FORESTS AND NATURAL RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
for  
**NEVADA**

*Report prepared by*

**MANES BARTON**

*and*

**ROY E. MALSOR, JR.**

SOIL CONSERVATION SERVICE  
1479 SOUTH WELLS AVENUE  
RENO, NEVADA

**MAY 8, 1963**

*Issued by*

**CHARLES W. CLEARY, JR.**

STATE CONSERVATIONIST  
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RENO, NEVADA

**HUGH A. SHAMBERGER**

DIRECTOR  
DEPARTMENT OF CONSERVATION AND  
NATURAL RESOURCES  
CARSON CITY, NEVADA



# INDEX TO NEVADA SNOW COURSES ( By Basins )

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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## 5NAKE RIVER BASIN

5NAKE RIVER					
15H1MA	BEAR CREEK	31	46N	58E	7800
15G4M*	81G 8ENO	30	45N	56E	6700
15H2	FOX CREEK	33	46N	58E	8800
15H13	GOAT CREEK	31	46N	60E	8800
15H5*	GULO CREEK	31	45N	56E	6600
15H15A	HUMMINGBIRD SPRINGS	6	42N	62E	7000
14H1	JACKS CREEK	13	46N	59E	8330
15H14	POLE CREEK RANGER STATION	15	47N	61E	7940
15H18a	RED POINT	6	44N	58E	7100
15H3A	76 CREEK				

OWYHEE RIVER					
15H4M	81G 8ENO	30	45N	56E	6700
17H2*	BUCKSKIN, LOWER	25	45N	39E	6700
17H1*	BUCKSKIN, UPPER	11	45N	39E	7200
15H7*	FRY CANYON	31	43N	54E	6700
15H5	GULO CREEK	31	45N	56E	6600
17H4*	GRANITE PEAK	22	44N	39E	7800
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL DRAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
17H3*	MARTIN CREEK	18	44N	40E	6700
15H6M*	RODEO FLAT	35	43N	53E	6800
15H9M	TAYLOR CANYON	35	39N	53E	6200
15H8*	TREMEWAN RANCH	9	39N	55E	5700

## INTERIOR

UPPER HUMBOLDT RIVER					
15H1MA*	BEAR CREEK	31	46N	58E	7800
15H4M*	81G 8ENO	30	45N	56E	6700
15J12	CORRAL CANYON	27	28N	57E	8500
15J1	OORSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H2*	FOX CREEK	33	46N	58E	6800
15H7	FRY CANYON	31	43N	54E	6700
15H5*	GULO CREEK	31	45N	56E	6600
15J9	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
16H1M*	JACK CREEK, LOWER	18	42N	53E	6800
16H2*	JACK CREEK, UPPER	9	42N	53E	7250
16H4*	JACKS PEAK	28	42N	53E	8420
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8	LAMOILLE #5	31	32N	59E	8700
15H6M	RODEO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H3A*	76 CREEK	6	44N	58E	7100
15H9M*	TAYLOR CANYON	35	39N	53E	6200
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10	TROUT CREEK, LOWER	28	37N	61E	6900
15H11	TROUT CREEK, UPPER	4	36N	61E	8500

LOWER HUMBOLDT RIVER					
17K1	81G CREEK CAMP GROUND	10	17N	43E	6600
17K2	81G CREEK MINE	23	17N	43E	7600
17K3	81G CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	7200
17J2	GOLCONDA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3	MIDAS	18	39N	46E	7200
17L2	UPPER CORRAL	20	11N	41E	8500

EASTERN NEVADA					
14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	26	17N	65E	9100
14K1	BIRO CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN.	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	25	16N	62E	7250
15K1	ROBINSON SUMMIT	34	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARO MOUNTAIN #2	25	15N	62E	7875
15L1*	WHITE RIVER #1	31	13N	59E	7400

CENTRAL GREAT BASIN					
18M2	CAMPITO MTN (CAL.)	19	5S	35E	10200
15N2	CLARK CANYON	8	19S	56E	9000
18G6a*	DEBIO CREEK (OREG.)	14	41S	34E	6000
18M1	MDNTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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## NORTHERN GREAT BASIN

19H1	BALO MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK	23	39N	16E	6500
20H6	CEAR PASS	12	43N	14E	7100
18H1	OISASTER PEAK	8	47N	34E	6500
20H3a	OISWAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK	35	40N	15E	8300
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
18H2	LEONARD CREEK	13	42N	28E	5900
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIOGE	9	47N	41E	6300
20H4	RESERVATION CREEK	12	46N	15E	5900
18G5a*	TROUT CREEK (OREG.)	10	41S	38E	7800

## LAKE TAHOE

19L14	OAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7500
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8400
19K4M	MARLETTE LAKE	13	15N	18E	8000
19K2*	MT. ROSE	7	17N	19E	9000
20L3	RICHARDSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M*	WARO CREEK (CAL.)	21	15N	16E	7000

## TRUCKEE RIVER

20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K11	OONNER LAKE #1 (CAL.)	14	17N	15E	5950
20K21	OONNER PARK #2 (CAL.)	3	16N	16E	6000
20K10*	OONNER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8*	FURNACE FLAT (CAL.)	10	17N	13E	6600
20K4M	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SOUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K16*	TAHDE CITY (CAL.)	6	15N	17E	6250
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K17M*	WARO CREEK (CAL.)	21	15N	16E	7000
20K2	WEBBER LAKE (CAL.)	20	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

## CARSON RIVER

19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L6a	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050

## WALKER RIVER

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9900
19L13M	VIRGINA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250

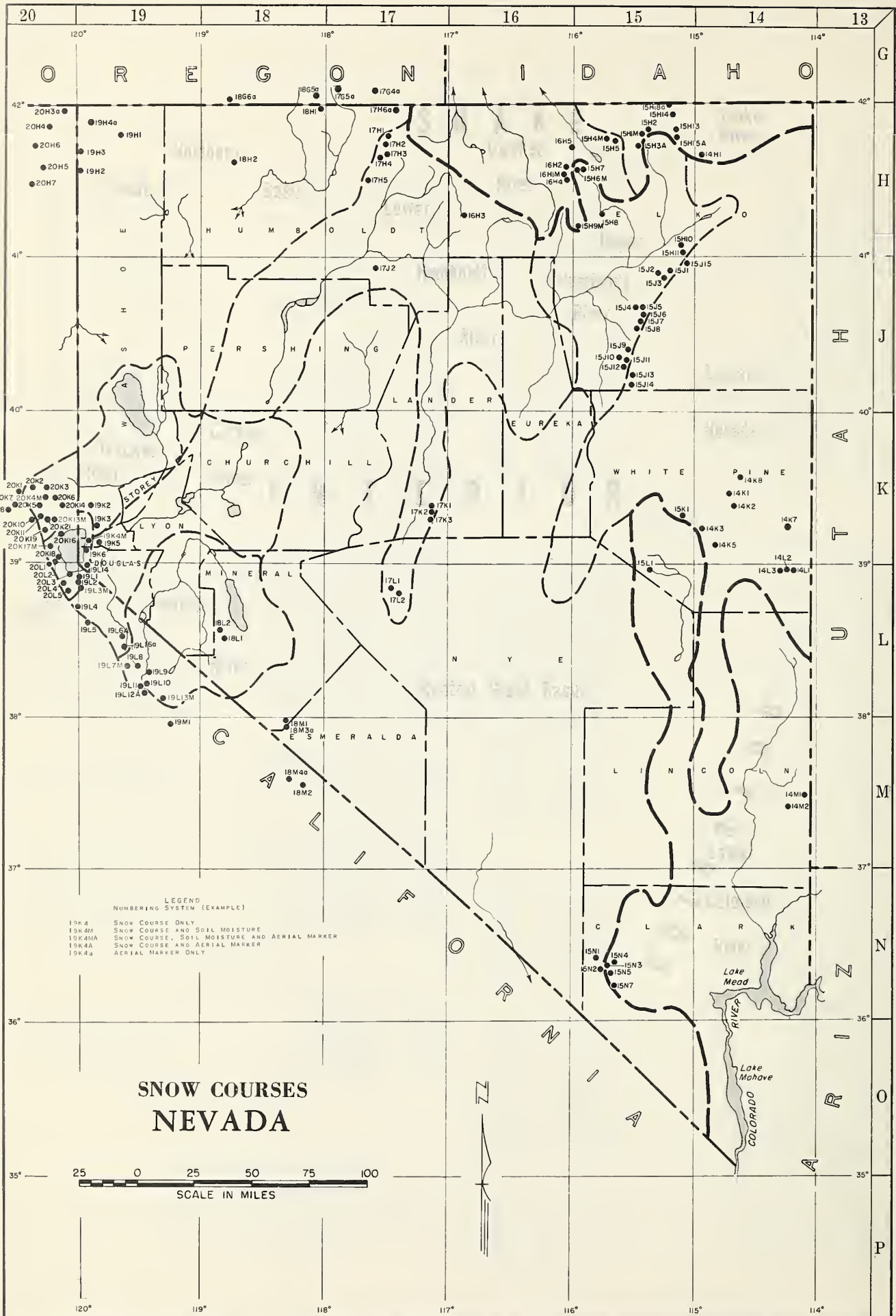
## COLORADO

### LOWER COLORADO RIVER

15N5	KYLE CANYON	26	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8300
15N3	LEE CANYON #2	9	19S	56E	9000
14M1	MATHEW CANYON	11	5S	70E	6000
14M2	PINE CANYON	11	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100
15L1	WHITE RIVER #1	31	13N	59E	7400

### LEGEND NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4A	SNOW COURSE AND AERIAL MARKER
19K4a	AERIAL MARKER ONLY
* LOCATED ON ADJACENT WATERSHED	



WATER SUPPLY OUTLOOK  
FOR NEVADA

May 1, 1963

\* \* \* \* \*  
\* Nevada's 1963 irrigation season water supply outlook has improved \*  
\* during the past month as a result of unseasonably heavy April snow- \*  
\* fall. Although below normal streamflow is still forecast through- \*  
\* out the State, water users served by natural streamflow can expect \*  
\* their streams to hold at divertable levels somewhat longer than \*  
\* previously anticipated. Reservoir storage continued to improve \*  
\* during April. Water content of snow at the higher elevations is \*  
\* from near to slightly above average. Median elevation snow is much \*  
\* below average. Soils are well wetted except under the snow at the \*  
\* higher elevations. \*  
\* \* \* \* \*

STREAMFLOW FORECASTS

Extremely heavy April snowfall in the Sierra caused Lake Tahoe to rise 0.47 foot in April. The Truckee Basin Forecast Committee forecasts Lake Tahoe will rise another 0.51 foot from May 1 assuming gates closed. This would bring Lake Tahoe to a peak elevation of 6226.15 feet above sea level if there were no drawdown. The Committee now anticipates that the Floristan rate can be maintained through the irrigation season. Truckee River at Farad is forecast to flow 100,000 acre feet during May-July which is 57 percent of average. During the same period the Little Truckee is expected to flow 33,000 acre feet or 60 percent of average.

Carson basin streams are forecast to flow from 61-62 percent of the May-July average at the upper basin stations at Woodfords, California and Gardnerville to 47 to 44 percent of average at Carson City and Ft. Churchill. In the Walker basin the East Fork near Bridgeport, California is forecast to flow 67 percent of its May-August average, while the West Fork near Coleville, California is forecast at 73 percent of average for May-July.

May-July 1963 streamflow forecasts in the Humboldt and Snake River basins range from 74 percent of average for Lamoille Creek to 19 percent for the Humboldt at Comus. Most streams fall in the 25-50 percent of average category.

RESERVOIR STORAGE

Most Nevada reservoirs gained in stored water during April. Water demands were below normal. In aggregate Nevada's principal reservoirs gained 75,000 acre feet compared to their average April gain of 49,000 acre feet. As of May 1 these reservoirs were 87 percent of the May 1 average and 61 percent of capacity. All reservoirs except Wild Horse, Rye Patch and Lake Tahoe are above average and at or near capacity.

Although these reservoirs will be subject to heavy demand there is an improved likelihood of some carryover water this fall.

SOIL MOISTURE CONDITIONS

Median elevation and valley soils are generally well wetted. Some high mountain soils still require additional snowmelt water to become primed.

Spring and early summer range forage growth prospects are good. Additional summer rains will be needed as usual to sustain the range forage growth.



#### SNOW COVER

April snowfall and resultant snowpack accumulation was exceptionally good in the Sierra. Many snow courses in the Truckee-Tahoe basins doubled in water content during April.

Higher snow courses in the Independence, and Ruby Mountains near Elko and the Snake and Schell range near Ely recorded sizable gains.

In general May 1 readings at high snow courses are close to their May 1 averages and compare quite favorably to their April 1 averages. Although most median snow courses are improved over their April readings, many fall short of their usual May 1 values and do not compare too favorably with their April 1 average.

In summary the high mountain snowpack which sustains the midsummer-late summer streamflow looks fair to good. The median elevation snowpack which produces the larger portion of most streams snowmelt water supply during the late spring-early summer is poor to fair.



# NEVADA STREAMFLOW FORECASTS - MAY 1, 1963

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

Basin and Forecast Stream	May-July, Streamflow Thousands Acre Feet				
	Forecast 1963	15-Yr. Av. 1943-57	1963 as % of 15-Yr.Av.	Measured Runoff 1962	1961
<u>TRUCKEE RIVER</u>					
Lake Tahoe <sup>1, 3</sup>	0.51	1.15	44	0.80	0.52
Little Truckee River above Boca, California <sup>3</sup>	33	55	60	49	20
Truckee River at Farad, Cal. <sup>2, 3</sup>	100	175	57	147	63
<u>CARSON RIVER</u>					
West Carson at Woodfords, Cal.	25	41	61	37	15
East Carson nr. Gardnerville, Nev.	95	152	62	139	66
East Carson nr. Gardnerville, Nev. (Date of 200 c.f.s. flow)	7/4	7/22	--	7/26	6/28
Carson River nr. Carson City, Nev.	70	145	47	130	37
Carson River at Ft. Churchill, Nev.	60	135	44	112	25
<u>WALKER RIVER</u>					
West Walker below E. Fk. nr. Coleville, Cal.	95	130	73	126	59
East Walker nr. Bridgeport, Cal. <sup>4</sup>	35	52	67	50	14
<u>COLORADO RIVER</u>					
Virgin River at Virgin, Utah <sup>5</sup>	18	44	41	57	17



NEVADA STREAMFLOW FORECASTS - MAY 1, 1963 (Continued)

Basin and Forecast Stream	May-July, Streamflow Thousands Acre Feet				
	Forecast 1963	15-Yr. Av. 1943-57	1963 as % of 15-Yr.Av.	Measured Runoff 1962	1961

HUMBOLDT RIVER

So. Fk. Humboldt nr. Elko, Nev.	30	57	51	83	32
Lamoille Creek nr. Lamoille, Nev.	20	27	74	29	16
Humboldt River at Palisade, Nev.	40	163	24	207	38
Humboldt River at Comus, Nev.	20	105	19	169	20
Martin Creek nr. Paradise, Nev.	4	11	36	10	4

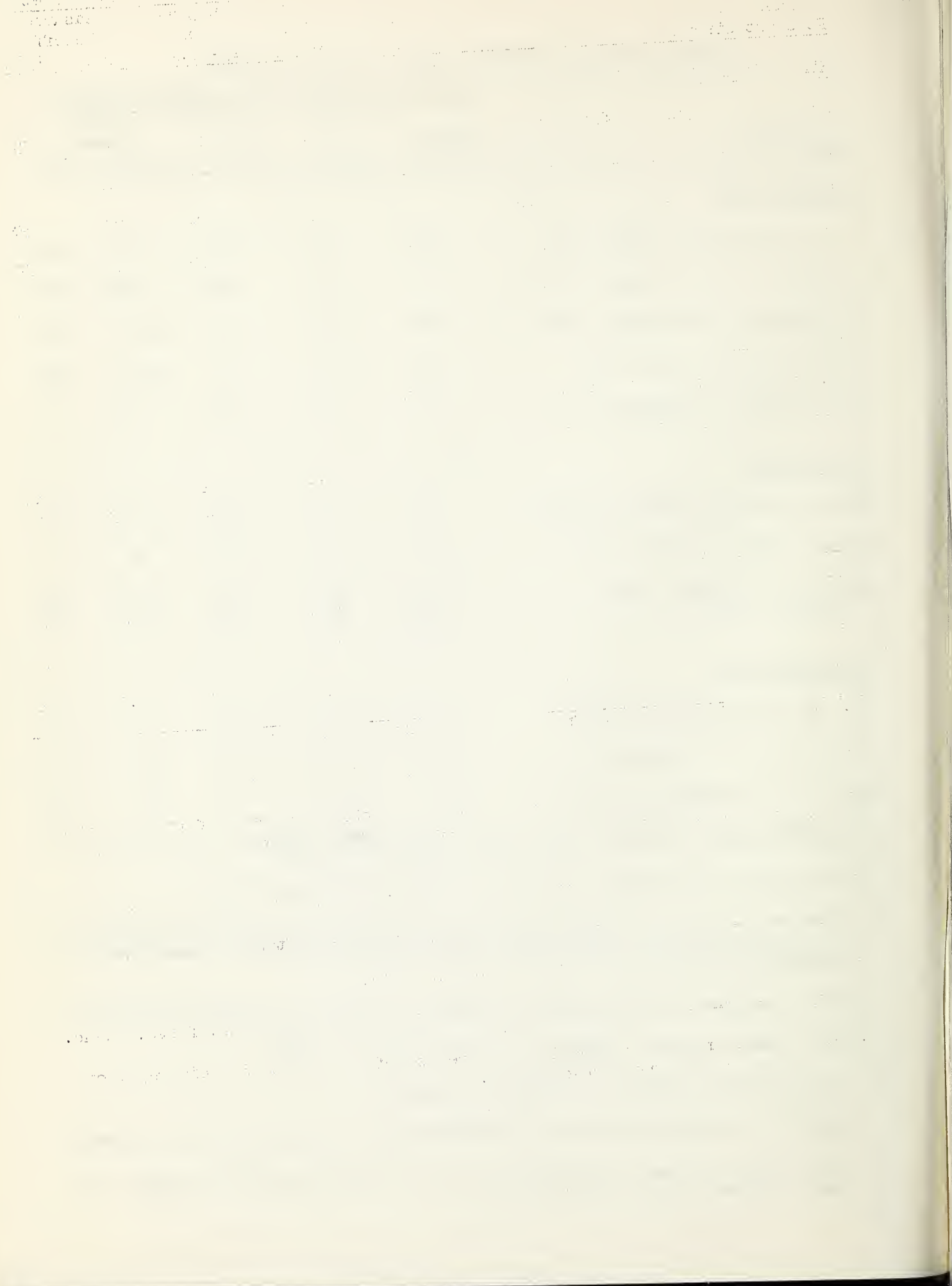
SNAKE RIVER

Owyhee River nr. Gold Creek, Nev. <sup>6</sup>	3	11	27	11	0.4
Owyhee River nr. Owyhee, Nev. <sup>6</sup>	15	53	28	45	9
Salmon Falls Creek nr. San Jacinto, Nevada <sup>7</sup>	18 17	55 53	33 32	67 63	12 10

SURPRISE VALLEY

Mill Cr. nr. Cedarville, Cal. <sup>8</sup>	4.2	6.1	69	3.6	3.6
Cedar Cr. nr. Cedarville, Cal. <sup>8</sup>	2.8	4.2	67	2.4	2.0
Eagle Cr. nr. Eagleville, Cal. <sup>8</sup>	4.3	5.8	73	4.1	3.6

1. Maximum rise, in feet, from May 1, assuming gates closed.
2. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
3. Forecast issued by Truckee Basin Water Committee, composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company and Washoe County Water Conservation District.
4. For period May through August corrected for storage in Bridgeport Reservoir.
5. April-June forecast; issued by SCS, Salt Lake City, Utah.
6. Corrected for storage in Wild Horse Reservoir.
7. May-Sept. and May-July forecasts respectively; issued by SCS, Boise, Idaho.
8. April-Sept. forecast; coordinated forecast of SCS and California Dept. of Water Resources, Snow Survey Units.



NEVADA

STATUS OF RESERVOIR STORAGE

MAY 1, 1963

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			
			1963	1962	1961	MAY 1 15-YR. AVE. 1943-57
Owyhee	Wild Horse	33	21	33	19	26
Lower Humboldt	Rye Patch	179	77	62	11	114
Colorado	Mohave	1,810	1,735	1,698	1,734	1,516*
Colorado	Mead	27,217	21,054	19,357	17,885	16,451
Tahoe	Tahoe	732	321	136	127	498
Truckee	Boca	41	41	40	10	25
Carson	Lahontan	286	284	169	107	232
West Walker	Topaz	59	58	30	14	44
East Walker	Bridgeport	42	42	32	12	32

\* 1950-57

TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz  
and Bridgeport Reservoirs in 1000's Acre Feet

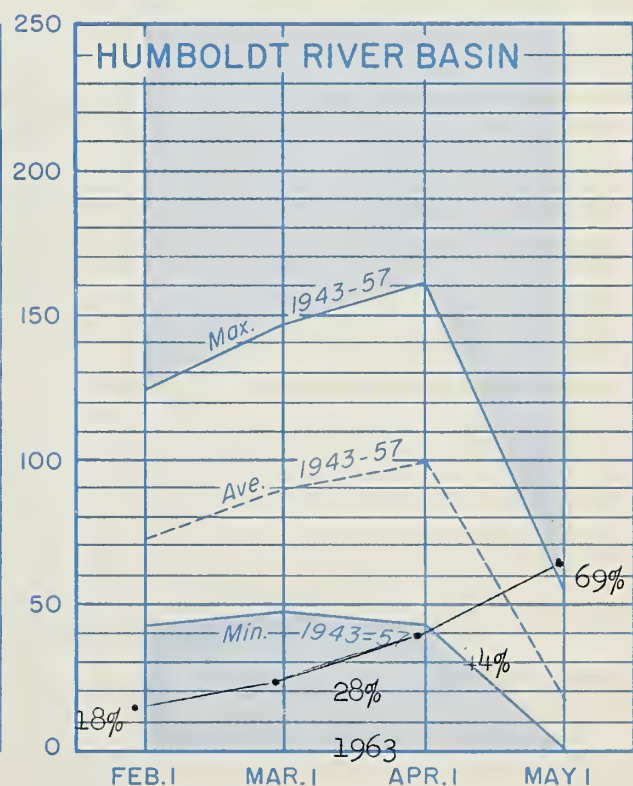
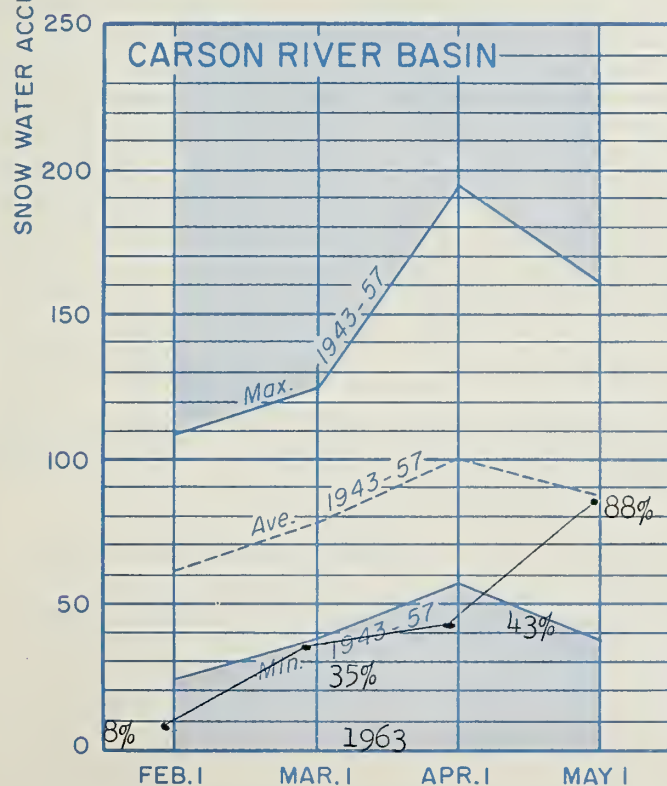
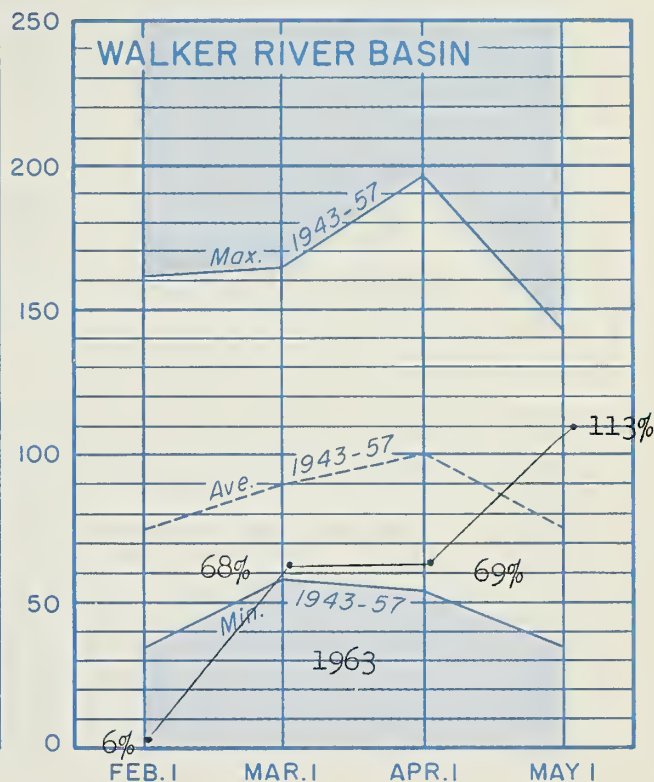
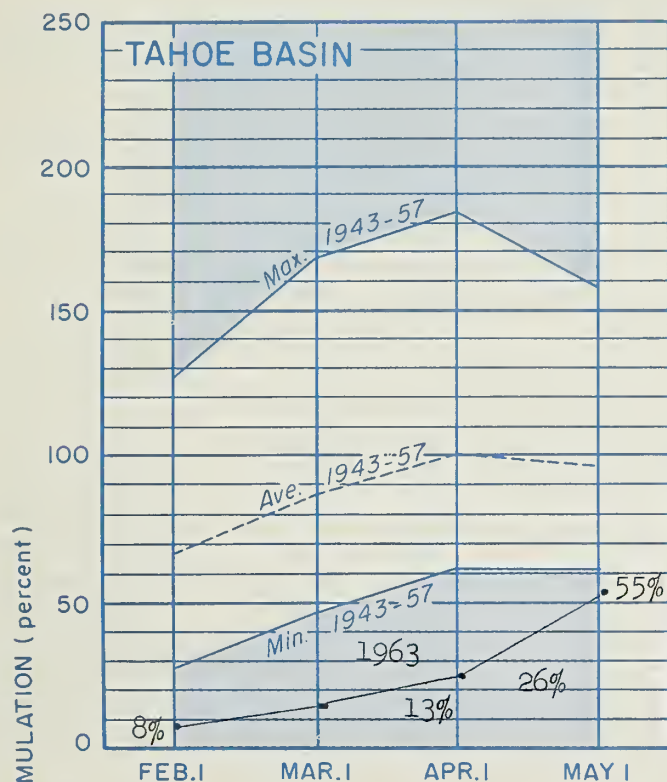
MONTH	1958-59	1959-60	1960-61	1961-62	1962-63	AVERAGE 1943-57
October 1	985	489	263	65	345	732
January 1	890	367	206	57	419	787
February 1	947	398	218	73	558	842
March 1	1,038	494	254	210	696	877
April 1	1,066	592	285	318	769	923
May 1	1,036	632	300	499	844	971

TOTAL USABLE CAPACITY 1,372



# SNOW WATER ACCUMULATION in NEVADA by BASIN

MAY 1, 1963



NOTE: The percentages shown are based on key snow courses within each basin.



## NEVADA SNOW SURVEYS

MAY 1, 1963

		May 1, 1963			Water Content (Inches)			
			Depth	Water	May 1			
WATERSHED		Date	Snow	Content	May 1	May 1	1943-57	April 1
AND COURSE	Elev.	Survey	(In.)	(In.)	1962	1961	Avg.	1963
<u>WALKER-CARSON</u>								
Virginia Lakes	9500	4/29	53	22.4	17.6	2.3	11.6*	13.9
Sonora Pass	8800	4/30	60	25.2	21.2	4.0	17.4*	14.8
Carson Pass, Upper	8600	4/25	93	34.5	32.9	16.6	31.1	18.5
Blue Lakes	8000	4/25	98	30.0	31.0	16.2	31.4	13.2
<u>LAKE TAHOE</u>								
Daggetts Pass	7350	4/30	18	6.0	--	--	--	T
Echo Summit	7500	5/1	48	20.0	27.1	4.7	26.9	8.5
Freel Bench	7300	5/1	7	3.4	--	--	--	2.5
Glenbrook #2	6900	4/28	21	8.1	--	--	--	3.0
Hagans Meadow	8000	5/1	21	11.3	--	--	--	6.6
Richardsons #2	6500	4/28	20	9.2	--	--	--	1.8
Rubicon #1	8100	4/27	135	47.0	--	--	--	33.4
Rubicon #2	7500	4/27	64	25.8	--	--	--	11.4
Tahoe City	6250	5/3	T	T	--	--	--	2.9
Truckee, Upper	6400	5/1	2	0.8	--	--	--	1.4
Ward Creek	7000	5/3	63	26.8	--	--	--	13.2
<u>TRUCKEE</u>								
Donner Summit	6900	4/24	75	27.8	31.2	12.5	26.3	6.1
Fordyce Lake	6500	4/30	66	29.6	39.8	--	29.9*	6.9
Furnace Flat	6600	4/30	76	36.6	49.9	24.5	38.6*	8.0
Independence Camp	7000	5/2	21	9.2	--	--	14.6*	6.2
Independence Cr.	6500	5/2	6	2.6	--	--	5.2*	3.7
Independence Lake	8450	5/2	101	39.2	--	--	32.3*	27.4
Sage Hen	6500	4/29	20	8.2	--	--	--	5.0
Truckee #2	6400	4/29	19	8.2	--	--	--	4.7
<u>SURPRISE VALLEY</u>								
Cedar Pass	7100	5/2	23	9.1	3.0	9.8	10.0*	3.7
Dismal Swamp	7000	5/1	26	10.0	--	--	--	1.8a

\* 1943-57 adjusted average.

a Aerial snow depth gage; water content estimated.



## NEVADA SNOW SURVEYS (Continued)

MAY 1, 1963

		May 1, 1963			Water Content (Inches)			
		Date	Depth	Water	May 1			
WATERSHED			Snow	Content	May 1	May 1	1943-57	April 1
AND COURSE	Elev.	Survey	(In.)	(In.)	1962	1961	Avg.	1963
<u>SNAKE-OWYHEE</u>								
Bear Creek	7800	4/29	56	18.6a	25.1a	12.6a	21.2*	12.9
Goat Creek	8800	4/29	56	18.9	21.2a	14.3	19.9*	12.8
Hummingbird Springs	8945	4/29	68	22.6a	31.3a	18.8	25.2*	15.1
Pole Creek R. S.	8330	4/29	60	20.0	23.9	15.8	22.9	13.8
Big Bend	6700	4/30	T	T	0.0	0.0	1.6*	T
Gold Creek	6600	4/30	0	0.0	0.0	0.0	0.0*	0.0
Jack Creek, Lower	6800	4/29	9	2.2	0.0	0.0	0.0*	T
Jack Creek, Upper	7250	4.29	18	5.3	0.0	0.0	4.0*	3.4
Jacks Peak	8420	4/29	81	24.0	35.1	22.3	26.8*	14.7
Taylor Canyon	6200	4/29	6	1.0	0.0	0.0	0.0*	0.0

HUMBOLDT

Fry Canyon	6700	4/30	T	T	0.0	0.0	1.3*	0.0
Rodeo Flat	6800	4/30	T	T	0.0	0.0	1.7*	T
Tremewan Ranch	5700	4/30	0	0.0	--	0.0	--	0.0
Green Mountain	8000	5/2	38	14.6	--	--	--	8.3
Lamoille #1	7100	5/1	15	6.3	--	--	--	3.9
Lamoille #2	7200	5/1	17	6.4	--	--	--	3.7
Lamoille #3	7700	5/1	36	13.7	--	--	--	8.8
Lamoille #4	8000	5/1	50	18.7	--	--	--	12.8
Lamoille #5	8700	5/1	75	30.2	--	--	--	20.0

WHITE PINE COUNTY

Baker #1	7950	5/2	T	T	--	--	--	2.2
Baker #2	8950	5/2	33	13.1	--	--	--	8.7
Baker #3	9250	5/2	43	16.8	--	--	--	10.1
Berry Creek	9100	5/1	48	16.3	15.0	13.0	17.6*	8.3
Bird Creek	7500	5/1	0	0.0	--	--	--	1.4

LOWER COLORADO

Kyle Canyon	8200	4/30	2	0.8	--	--	--	2.7
Rainbow Canyon #2	8100	4/30	9	4.7	--	--	--	5.6

DELAYED DATA

Campito	2/6	17	5.2					
Donner Summit	2/1	0	0.0					
Fordyce Lake	2/1	0	0.0					
Furnace Flat	2/1	0	0.0					
Montgomery Pass	2/4	0	0.0					
Jakes Creek	3/3	4	1.0	4/1	0	0.0		
Webber Lake	4/4	48	12.2					
Webber Peak	4/4	71	20.5					



## Agencies Cooperating in Collecting Data Contained in this Bulletin

### FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- Weather Bureau

### STATE

- California Cooperative Snow Surveys
- California Department of Water Resources
- Colorado River Commission of Nevada
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
  - Division of Water Resources
  - Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- White Mountain Research Station, Univ. of California

### PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Virginia City Water Company
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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